Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims:

Claims 1-21 (canceled).

22. (currently amended): A transparent, non-elastomeric, polythiourethane/urea material comprising the reaction product of:

(a) at least one (α, ω)-diiso(thio)cyanate polysulfide prepolymer having a number average molecular weight ranging from 100 to 3000 $gmol^{-1}$, said prepolymer being free from disulfide (-S-S-) linkage, and

(b) at least one aromatic primary diamine, in an equivalent molar ratio amine function/iso(thio)cyanate function (NH_2/NCX, X=O, S) ranging from 0.5 to 2, said aromatic primary diamine being free from disulfide (-S-S-) linkage, ~~and~~

~~wherein, at least one of the prepolymer or the diamine contains one or more S atoms in its chain~~ wherein the (α, ω)-diiso(thio)cyanate polysulfide prepolymer is the reaction product of at least one cycloaliphatic or aromatic diiso(thio)cyanate and at least one (α, ω)-diol or dithiol prepolymer, said (α, ω)-diol or dithiol prepolymer being a polysulfide or a mixture of polysulfides.

23. (previously presented): The transparent, non elastomeric polythiourethane/urea material of claim 22, wherein the equivalent ratio NH_2/NCX ranges from 0.90 to 1.10.

24. (previously presented): The material of claim 22, wherein the equivalent ratio NH_2/NCX ranges from 0.93 to 0.95.

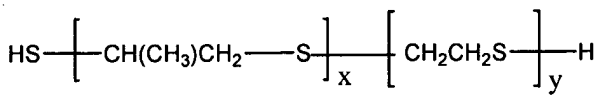
25. (canceled).

26. (canceled).

27. (canceled).

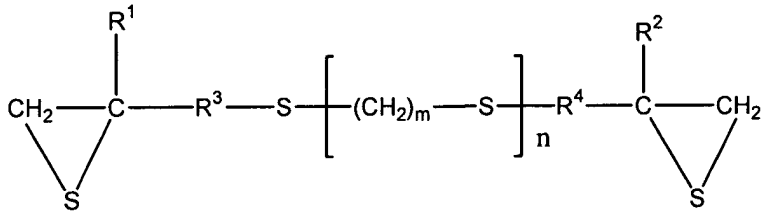
28. (currently amended): The material of claim [[27]] 22, wherein the polysulfide or mixture of polysulfides is selected from the group consisting of:

- Prepolymers of formula :



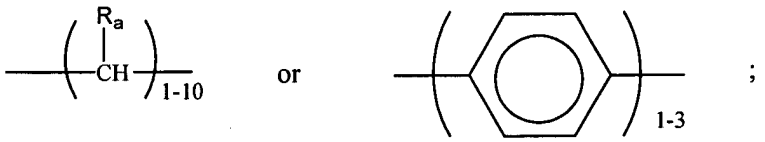
in which x and y are such that the number average molecular weight of the prepolymer ranges from 100 to 3000 $gmol^{-1}$;

-prepolymers resulting from the polymerization of diepisulfides of formula:



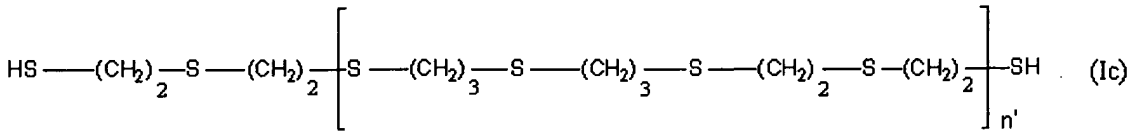
(Ib)

in which R^1 and R^2 are, independently from each other, H, alkyl, aryl, alkoxy, alkylthio or arylthio; R^3 and R^4 are, independently from each other,



R_a designates H, alkyl, aryl, alkoxy, aryloxy, alkylthio or arylthio and, n is an integer from 0 to 4 and m is an integer from 1 to 6, and

-prepolymers of formula:

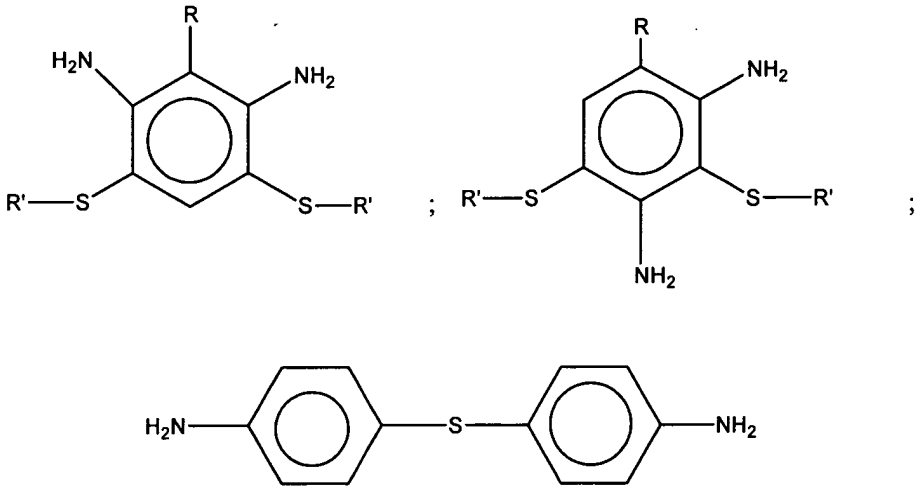


(Ic)

where n' is such that the number average molecular weight ($\overline{M}_n$) of the prepolymer ranges from 500 to 1500g mol^{-1}.

29. (previously presented): The material of claim 22, wherein the aromatic diamine contains at least one S atom in its molecule.

30. (previously presented): The material of claim 29 wherein the diamine is selected from



in which R is H or an alkyl group and R' is an alkyl group, and mixtures of the above diamines.

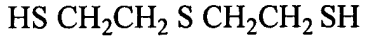
31. (currently amended): The material of claim 22, wherein the material is ~~also~~ the reaction product of:

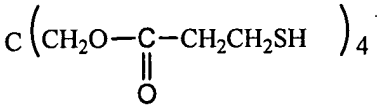
a) ~~the~~ said at least one (α, ω)-diiso(thio)cyanate polysulfide prepolymer ~~with a di-, tri- or tetra alcohol, a di-, tri or tetrathiol or a mixture thereof, which is mixed with said at least one aromatic primary diamine~~;

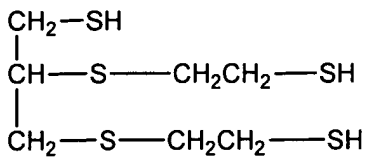
b) said at least one aromatic primary diamine; and

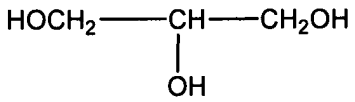
c) at least one di-, tri-, or tetra alcohol, or at least one di-, tri-, or tetra thiol, or a mixture thereof.

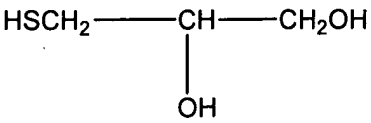
32. (currently amended): The material of claim 31, wherein the alcohols and thiols are selected from the groups consisting of:

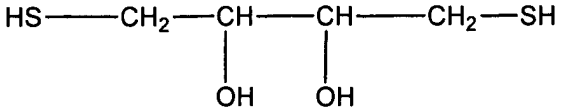


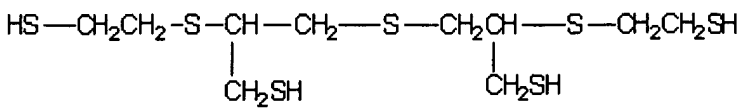


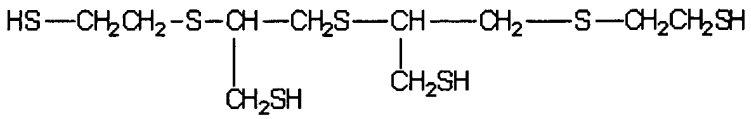


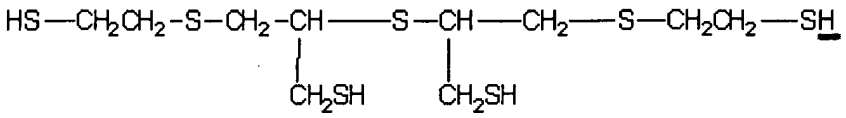












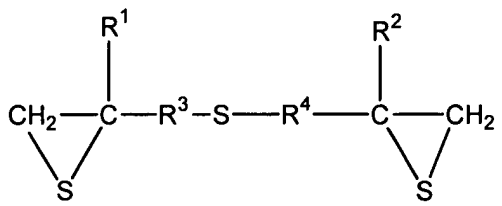
and mixtures thereof.

33. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, higher than 1.53.

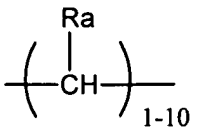
34. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, of at least 1.55.

35. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, of at least 1.57.

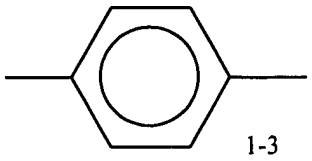
36. (previously presented): The material of claim 27, wherein the polysulfide is an hyperbranched polysulfide resulting from the polymerization of a diepisulfide of formula:



in which R^1 and R^2 are, independently from each other, H, alkyl, aryl, alkoxy, alkylthio or arylthio, R^3 and R^4 are independently from each other,



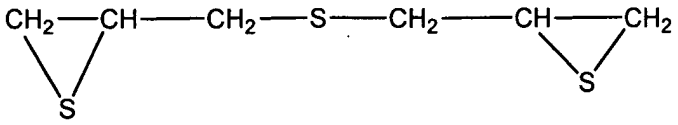
or



,

Ra designates H, alkyl, aryl, alkoxy, aryloxy, alkylthio or arylthio, with 2-mercaptoethyl sulfide (DMES).

37. (previously presented): The material of claim 36, wherein the diepisulfide has formula :



38. (previously presented): An optical article made from a material according to claim 22.

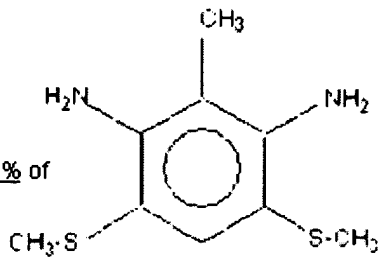
39. (previously presented): The material of claim 28, wherein n' is such that the number average molecular weight ($\overline{M}_n$) of the prepolymer ranges from 650 to 1350 g mol^{-1}.

40. (previously presented): The material of claim 25, wherein the prepolymer is the reaction product of at least one (α, ω) dithiol prepolymer.

41. (previously presented): The material of claim 25, wherein the prepolymer is the reaction product of at least one (α, ω) dithiol prepolymer further comprising at least one S atom in its chain.

42. (previously presented): The material of claim 30, wherein R and R' are CH_3.

43. (currently amended): The material of claim 30, wherein the diamine is a mixture of by weight:

~~80%~~ 20% of 

and ~~20%~~ 80% of